

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-87 (Canceled)

88. (Currently Amended) An antioxidant composition comprising a polycationic casein phosphopeptide complex and at least one oil rich in Omega-3 or oil soluble active operable to inhibit oxidation, the at least one oil is selected from the group consisting of vegetable oils, animal oils, and the at least one oil soluble active is selected from the group consisting of vitamins, nutraceuticals, pharmaceuticals or combinations thereof, wherein the composition is operable to inhibit oxidation of lipids in emulsion.

89. (Currently Amended) The composition of Claim 88, ~~further comprising at least one sulfated polysaccharide~~ wherein the polycationic casein phosphopeptide is a caseinophosphopeptide-chitosan complex immiscible in oil.

90. (Currently Amended) The ~~sulfated polysaccharide composition~~ of Claim 89, further comprising at least one sulfated polysaccharide wherein the sulfated polysaccharide is selected from the group consisting of iota-carrageenan, kappa-carrageenan, lambda-carrageenan, chondroitin, heparin, dextran, and cyclodextrins, ~~and~~ or combinations thereof.

91. (Currently Amended) The composition of Claim 88, ~~further comprising a medium-chain triglyceride~~ wherein the polycationic casein phosphopeptide is a polycationic caprine casein phosphopeptide.

92. (Currently Amended) The ~~medium-chain triglyceride composition~~ of Claim 91, further comprising a medium-chain triglyceride wherein the medium-chain triglyceride is selected from the group consisting of: caproic (C:6.0), caprylic (C:8.0), and capric (C:10.0) triglycerides, ~~and~~ or any combinations thereof.

93. (Previously presented) The composition of Claim 88, further comprising at least one non-reducing sugar or sugar polyol.

94. (Currently Amended) The composition of Claim 88, wherein the casein phosphopeptide is selected from the group consisting of alpha-casein, beta-casein, kappa-casein, fragments thereof, ~~and~~ or any combinations thereof.

95. (Currently Amended) The composition of Claim 88, wherein the polycationic casein phosphopeptide complex is a ~~comprises a~~ caprine chitosan casein phosphopeptide complex.

96. (Currently Amended) The composition of Claim 88, further comprising at least one ingredient selected from the group consisting of alpha, beta, gamma or delta tocopherols, alpha, beta, gamma or delta tocotrienols, tocopherols, tocotrienols, beta-carotene, phospholipids, chitosan ~~and~~ or combinations thereof.

97. (Currently Amended) The composition of Claim 88, further comprising at least one phospholipid selected from the group consisting of egg yolk phospholipids, soybean phospholipids, ~~and~~ or combinations thereof.

98. (Previously presented) The composition of Claim 88, further comprising at least one ingredient selected from the group consisting of pH modifiers, chelating agents, polyphenols, modified starches, glycerides, fruit concentrate sweeteners, cocoa powder, and sucralose, ~~and oil soluble flavors, vitamins, nutraceutical actives, and pharmaceutical actives.~~

99. (Currently Amended) The composition ~~pH modifiers~~ of Claim 98, wherein the pH modifiers are selected from the group consisting of citric acid, ascorbic acid, gluconic acid, ~~and~~ or combinations thereof.

100. (Currently Amended) The composition ~~chelating agents~~ of Claim 98, wherein the chelating agents comprise citric acid.

101. (Currently Amended) The composition ~~polyphenols~~ of Claim 98, wherein the polyphenols are derived from the fruit of *Solanum melongena*.

102. (Currently Amended) The composition ~~emulsion~~ of Claim 88, wherein the emulsion is selected from the group consisting of water-in-oil microemulsion, water-in-oil nanoemulsion, oil-in-water microemulsion, ~~and~~ or oil-in-water nanoemulsion.

103. (Currently Amended) The composition ~~casein-phosphopeptide~~ of Claim 88, wherein the casein phosphopeptide comprises a trypsin-digested casein.

104. (Currently Amended) The composition ~~trypsin-digested casein~~ of Claim 103, wherein the trypsin-digested casein is selected from the group consisting of caprine casein characterized by a content of alpha.sub.s2.-casein greater than 15 percent and beta-casein greater than 15 percent of the total casein.

105. (Currently Amended) An antioxidant composition comprising at least one polycationic casein fragment complex immiscible in oil, wherein the casein fragment is at least one of a phosphopeptide, a glycopeptide, a glyceride ~~and~~ or combinations thereof, ~~operable to inhibit lipid oxidation, and at least one oil or oil soluble active operable to~~ inhibit oxidation selected from the group consisting of vegetable oils including rice bran oil, flax, chia, hemp, castor, soybean, lesquerella, dehydrated castor oil, oil rich in Omega-3, or conjugated linoleic acid, animal oils including fish, egg, poultry, and beef oils rich in Omega-3, or conjugated linoleic acid, and or oil-soluble actives including vitamins, nutraceuticals, pharmaceuticals, or flavors, or combinations thereof.

106. (Currently Amended) The composition ~~casein-fragment~~ of Claim 105, wherein the casein fragment is characterized by a content of alpha.sub.s2.-casein greater than 15 percent of total casein and medium-chain triglycerides.

107. (Currently Amended) The composition ~~phosphopeptide~~ of Claim 105, wherein the phosphopeptide comprises a caseinophosphopeptide.

108. (Currently Amended) The composition ~~caseinophosphopeptide~~ of Claim 107, wherein the caseinophosphopeptide comprises a caprine caseinophosphopeptide.

109. (Currently Amended) The composition of Claim 105, further comprising at least one ingredient selected from the group consisting of alpha, beta, gamma or delta

tocopherols, alpha, beta, gamma or delta tocotrienols, tocopherols, tocotrienols, beta-carotene, phospholipids, chitosan ~~and~~ or combinations thereof.

110. (Currently Amended) The composition of Claim 105, further comprising at least one phospholipid selected from the group consisting of egg yolk phospholipids, soybean phospholipids, ~~and~~ or combinations thereof.

111. (Previously presented) The composition of Claim 105, further comprising at least one ingredient selected from the group consisting of pH modifiers, chelating agents, polyphenols, modified starches, glycerides, fruit concentrate sweeteners, cocoa powder, sucralose, and oil-soluble flavors, vitamins, nutraceutical actives, and pharmaceutical actives.

112. (Previously presented) The composition of Claim 105, further comprising a polyphenol selected from the group consisting of *Solanum melongena* polyphenols.

113. (Previously presented) The composition of Claim 105, further comprising non-reducing sugars and sugar polyols.

114. (Previously presented) The composition of Claim 105, further comprising pH modifiers wherein the acidic environment ranges from pH 2.0 to 5.7.

115. (Currently Amended) The composition of Claim 105, further comprising sulfated polysaccharides selected from the group consisting of carrageenans, chondroitin, heparin, dextran, cyclodextrins ~~and~~ or combinations thereof.

116. (Currently Amended) The composition of Claim 105, wherein the glyceride is selected from the group consisting of enzymatically modified oils, fats, and fatty acids of mono-, di-, and tri-glycerides; lipolyzed modified oils, fats, and fatty acids of mono-, di-, and tri-glycerides; ~~and~~ or combinations thereof.

117. (Previously presented) The composition of Claim 111, wherein the fruit concentrate sweetener comprises a blend of hydrolyzed starch having a dextrose equivalent of up to approximately 25; fruit juice or fruit syrup concentrate of at least approximately 40% soluble solids; and approximately 0% insoluble solids, wherein the starch, juice or concentrate and solids form a liquor having a dry weight composition of

approximately 40 to approximately 65% complex carbohydrates, approximately 35 to approximately 55% simple sugars from the fruit juice or fruit syrup concentrate, and approximately 0 to approximately 5% nutritional components occurring naturally in the fruit juice or fruit syrup concentrate.

118. (Currently Amended) A product comprising at least one polycationic casein phosphopeptide complex, wherein the polycationic casein phosphopeptide complex imparts at least one function selected from the group consisting of inhibiting oxidation of oil-in-water or water-in-oil emulsions, preventing bone mineral loss in a mammal, and preventing hypercholesterolemia in a mammal, and at least one oil or oil soluble active operable to inhibit oxidation selected from the group consisting of vegetable oils including rice bran oil, flax, chia, hemp, castor, soybean, lesquerella, dehydrated castor oil, oil rich in Omega-3, or conjugated linoleic acid, animal oils including fish, egg, poultry, and beef oils rich in Omega-3, or conjugated linoleic acid, and or oil-soluble actives including vitamins, nutraceuticals, pharmaceuticals, or flavors, or combinations thereof.

119. (Currently Amended) The product of Claim 118, wherein the product is selected from the group consisting of cocoa products, hypercholesterolemia preventatives, bone mineral loss preventatives, Omega-3-rich oil products, ~~products having oil-soluble flavors, products having oil-soluble vitamins, nutraceuticals, or pharmaceuticals,~~ protein rich products having reduced protein settling and sedimentation, and transparent beverages, products containing vegetable oils including rice bran oil, flax, chia, hemp, castor, soybean, lesquerella, dehydrated castor oil, rich in Omega-3, or conjugated linoleic acid, animal oils including fish, egg, poultry, and beef oils rich in Omega-3, or conjugated linoleic acid, and combinations thereof.

120. (New) The composition of Claim 105, wherein the polycationic casein fragment is a caseinophosphopeptide-chitosan complex immiscible in oil.

121. (New) The composition of Claim 105, wherein the polycationic casein fragment is a polycationic caprine casein fragment.

122. (New) The composition of Claim 118, wherein the polycationic casein phosphopeptide is a caseinophosphopeptide-chitosan complex immiscible in oil.

123. (New) The composition of Claim 118, wherein the polycationic casein phosphopeptide is a polycationic caprine casein phosphopeptide.

124. (New) The composition of Claim 88, wherein the vegetable oil is selected from the group consisting of rice bran oil, flax oil, chia oil, hemp oil, castor oil, soybean oil, lesquerella oil, dehydrated castor oil, oil rich in Omega-3 and conjugated linoleic acid.

125. (New) The composition of Claim 88, wherein the animal oil is selected from the group consisting of fish, egg, poultry, and beef oils rich in Omega-3 and conjugated linoleic acid.